

Veterinary REPORT

College of Veterinary Medicine
University of Illinois at Urbana-Champaign

Summer 1991, Volume 15, No. 2

Dr. Dick Bevill Becomes Head of Vet Biosciences

DR. RICHARD F. BEVILL, professor of veterinary biosciences, was appointed head of veterinary biosciences on May 9, 1991. He has served as acting head of the department since Dr. Wagner's departure in November 1990.

A member of the veterinary faculty since 1968, Dr. Bevill has received national recognition for his work with sulfonamide and antibiotic kinetics and residues.

Dr. Bevill received his DVM degree from Illinois in 1964. After practicing at Sesser, Ill. for four years here, he returned to the university as an instructor in veterinary pharmacology.

He received his PhD in veterinary pharmacology and toxicology in 1972. In 1979, he was promoted to professor.

During his career, Dr. Bevill has been the principal investigator on a number of large FDA and USDA contracts, researching mycotoxins, the detection of drug residues in food animals, and drug metabolism kinetics. He has consulted with veterinarians throughout the country on the diagnosis or treatment of animal toxicoses as well as drug residue problems. Aside from his impressive research accomplishments, his teaching skills earned him the 1978 Norden Distinguished Teaching Award. ■



Dr. Richard F. Bevill, new head of the Department of Veterinary Biosciences at the UI College of Veterinary Medicine.

Pseudorabies and Other Swine Health Studies Demonstrate Diversity at College

BY KIMBERLY MEENEN

Swine production is a \$10 billion industry in the United States. Where does Illinois fit into the national scheme of swine?

The Land of Lincoln ranks as the nation's second largest swine producing state (Iowa is #1). According to the December 1 Hogs and Pigs Report, released January 4, 1991, there are 15,300 Illinois hog operations. Illinois produced 9,879,960 hogs in 1987, reports a U.S. Census of Agriculture.

Just as the state of Illinois is a leader in swine production, the University of Illinois College of Veterinary Medicine is a leader in many aspects of swine research. Currently, there are 38 swine-related studies underway at the college in an array of disciplines.

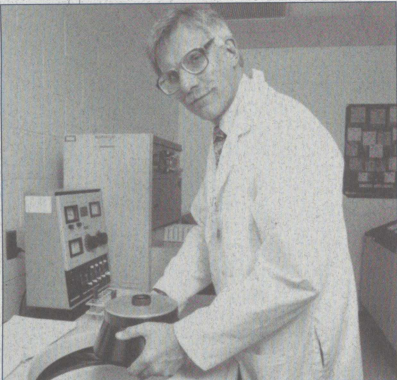
During the Illinois Pork Conference, Dean Ted Valli moderated a session featuring research progress at the veterinary college and relayed some interesting facts about last year's efforts.

He told the audience that the college is strongly committed to research which generates new knowledge, production concepts, and improved animal health for the swine industry. This research benefits not only the hogs, but humans who raise and consume pork.

In addition, the college is increasing its research interests in the area of food safety regulation and product quality maintenance. *Salmonella typhimurium* is just one agent being explored.

Dean Valli noted that in 1990, over \$923,000 were devoted to swine research projects at the college. More than 97 percent of that funding was obtained by college faculty via grants from agencies external to the university such as the U.S. Department of Agriculture and private industries.

Last year, veterinary faculty were involved in 38 swine-related studies in the disciplines of epidemiology/parasitology, microbiology, pharmacology, physiology, production medicine, and toxicology. The microbiology of swine diseases is the largest component of the college's swine research efforts. This component includes investigations of bacterial and viral diseases with a special focus on pseudorabies.



Dr. Edwin Hahn purifies viral proteins in a high-speed ultracentrifuge.



Dr. Gail Scherba (left) and Dr. Ling Jin (right), swine investigators at the college, discuss an ongoing research project.

The six swine health studies which follow provide just a sample of the diverse research ongoing at the college. Contact information and a brief description follows each project title. Please note that these studies represent only a few of the college's research efforts. For more information concerning a particular study, contact the researcher listed or Dr. J.A. DiPietro, Acting Associate Dean for Research, at (217)333-6759.

■ Dr. David Bane: Fumonisin as a risk factor for mystery swine disease.

Field investigations are currently studying the correlation between fumonisin and on-farm disease problems of mystery swine disease. Studies of farms with mystery swine disease show that when 20 ppm (parts per million) of fumonisin is present in herd diets, the clinical syndrome of reproductive failure and baby piglet losses is likely to occur. Studies of this costly disease are continuing to determine other significant risk factor involvement.

Another objective of the study is to evaluate ways to safely feed fumonisin-contaminated grain to swine by utilizing dietary additives. These additives could bind, inactivate, or reduce the effect of fumonisin. As more knowledge is gained about fumonisin, it is hoped that severe reproductive and neonatal losses caused by this mycotoxin can be prevented. For more information contact Dr. Bane at (217)333-8116.

■ Dr. Edwin Hahn: Research in support of a national eradication program for pseudorabies.

Eradication of pseudorabies virus (PRV) is a national priority. To succeed, eradication

(CONTINUED ON PAGE 3)

Inside this Issue

PAGE 4 • College faculty and graduate students receive research and teaching awards.

PAGE 5 • Surveys reveal trends in veterinary salaries and debts at graduation over the last five years. After five years out, satisfaction levels are high although graduates have made some changes.

PAGE 6 • Curious about what research is going on at the college? Projects funded between January through March are listed here.

PAGE 6 • Ecosystems, like veterinary patients, cannot talk. A college researcher projects that observation techniques used by veterinarians will eventually prove useful in diagnosing the health of an ecosystem as well.

PAGE 8 • Dr. Harry Reynolds is retiring and his colleagues are throwing a farewell bash. Details on back page!

College of Veterinary Medicine
University of Illinois at Urbana-Champaign
2001 South Lincoln Avenue
Urbana, IL 61801

ADDRESS CORRECTION REQUESTED

Non-profit
organization
US postage
PAID
Permit #75
Champaign, IL
61820



Dean's Corner

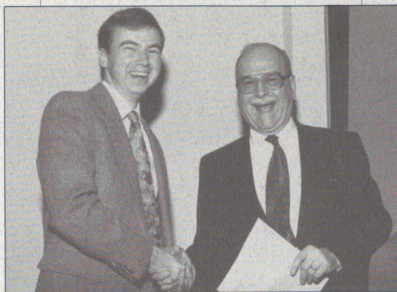
BY DR. TED VALLI

IT IS A MARVELOUS THING to be part of a profession that offers such a broad scope to its graduates. Veterinary medicine, like most professions, is highly traditional and, collectively, we tend to view new undertakings cautiously if not with suspicion.

This appears to be the case with our approach to practice and specialty areas that involve a relatively small number of our profession. I am referring to such areas as zoo and wildlife medicine, aquaculture and fancy fish management, poultry, and laboratory animal practice and the applied areas in government and the pharmaceutical industry in the more administratively-oriented areas. I think we do our profession a disservice to refer to these undertakings as "alternative careers."

It tends to suggest that they are not merely different but may somehow be less than undertakings in the more traditional areas of companion, equine, and food animal practice. We recruit bright students with a wide variety of interests, and they should be encouraged to not only pursue those areas which may be less traditional but to

Alternative Careers



Dean V.E. Valli presents an academic achievement award to Darrell Greathouse, VM4, during the college Awards Banquet.

invent some new areas in which veterinarians can contribute to their own and public welfare.

In summary, any career where you can achieve your legitimate personal goals and contribute to the welfare of man and animals in a profitable manner is a career that deserves a better designation than "alternative." Why don't we refer to them as interesting or unusual instead?

By way of illustration, Dr. Gregg Scoggins (1990) is currently completing his JD degree at Illinois, and is writing very forcefully on liability and malpractice as it affects veterinarians.

We can look for some very interesting developments in new careers in veterinary medicine.

During Easter weekend, I attended the International Dog Show at Chicago's McCormick Center in company with Terry Rathgeber and our spouses as well as Drs. Jo Ann Eurell, Jerry Pijanowski, and Ron Eltzerth of the UI Police Training Institute. We set up our booth and mingled with the public.

We met a lot of very interesting animal lovers and even sparred with a few anti-vivisectionists. We had a nice chat with Dr. Jack Marcus who has apparently served as veterinarian to the dog show for many years.

Further, in terms of interesting and unusual careers, Dr. Tom Eurell and I had a personalized tour through the Shedd Aquarium with Dr. David Casper (1973) serving as tour guide. Dr. Casper certainly has one of the more challenging and interesting careers in our profession. We discussed the possibility of the college rotating professional students on externships through the aquarium and establishing a residency training program that would provide discipline training at Urbana and practical on-site training with marine mammals and fish at the Shedd Aquarium.

We were briefly joined by Dr. Bill Torgerson from the Department of Comparative Medicine at the University of Chicago. Bill was formerly with the Brookfield Zoo and learned his discipline at Guelph and Toronto. I had met Bill a month earlier at the Academy of Pathology meeting when about 20 veterinarians interested in diseases of primates gathered in the Department of Pathology at the University of Chicago to show off their favorite slides.

I conclude that there are a lot of interesting people and areas in this profession and the opportunities expand rapidly. ■

College Happenings

Radiology Area Gets a Facelift

THE COLLEGE'S RADIOLOGY section has undergone some major changes. After nuclear medicine moved out of the inner northwest block of the Large Animal Clinic, construction began on a CAT scan facility. An environmental control room was built in the back of the room, complete with housings for the monster electrical cables needed to supply power to the CAT scan unit. To cool the equipment, which produces 36,000 btu's per hour, a 48,000 btu air conditioner was installed.

By mid-May, the necessary remodeling had been completed and the 4,000-pound, doughnut-shaped gantry, complete with its 1,500-pound patient "cradle" or table, was muscled into place.



Radiologic special procedures on small animals (such as upper GI, myelograms, heart catheterizations, and collapsing tracheas) can now be done more effectively than before through the use of a newly-refurbished image intensifier.

Located in the Large Animal wing of the Veterinary Medicine Teaching Hospital, the upgraded equipment permits radiologists to view fluoroscopic images for shorter times (which means they're exposed to less radiation). The image intensifier is enhanced by a completely refurbished 4-way float-top table which will tilt 90 degrees in either direction. It is equipped with a spot sequencer which allows the radiologist to expose different quarters of an X-ray film, or even to do serial exposures during a procedure.



Next on the agenda is the wiring hookup for the college's new MRI facility. Until the college can obtain its own stationary MRI unit, a special collaborative agreement provides for a portable MRI unit from Ottawa, Ill. to be transported to the clinic on designated weekends, at which time patients will be scheduled. ■

Comparative Medicine Notes First-Year Anniversary of New Academic Home

IT'S BEEN A YEAR since the academic component of the College of Veterinary Medicine's Office of Laboratory Animal Care (OLAC) became a permanent part of the Department of Veterinary Pathobiology (VP) and updated its title to Comparative Medicine. Although changes are still in progress, several benefits of this move have been realized.

According to Dr. Ken Todd, head of veterinary pathobiology, the growing discipline of comparative medicine needed a new academic home where it could develop and expand its training, teaching and graduate programs. VP fit the bill. The service component of comparative medicine remains under the umbrella of Administration, he notes.

One result of the move is the development of a graduate course in laboratory animal science, says Dr. Gale Taylor, director of laboratory animal care at the college. Over 20 veterinary students participated in the course during its first offering last fall.

Another program on the horizon is a three-year graduate residency in laboratory animal medicine. This residency would provide in-depth training to prepare a post-DVM for board certification in laboratory animal medicine. Dr. Taylor anticipates that two graduate students could participate in the program per year. He hopes the residency will be established by June 1992.

Many institutions throughout the country have updated their department title from Laboratory Animal Care to Comparative Medicine. Dr. Taylor notes that updating the title is appropriate because many of the results from animal studies help cure health problems and diseases in humans.

"Both changes are a step in the right direction," concludes Dr. Taylor. "We are very happy to be a contributing part of VP." ■

... the growing discipline of comparative medicine needed a new academic home where it could develop and expand its training ...

Illinois Veterinary Students Get Chance to Learn Aquatic Animal Medicine

FROM THE DIAGNOSIS and treatment of pet goldfish to the medical management of killer whales, aquatic animals present many challenges to veterinarians. Five senior veterinary students have taken the plunge to learn more about aquatic animal medicine.

Under the supervision of Dr. Thomas Eurell, assistant professor of veterinary biosciences, they are learning about pet fish medicine, aquaculture, and marine mammals.

For starters, the students participated in a two-week



aquatic animal medicine course given at the University of Florida College of Veterinary Medicine.

Upon their return to Urbana, they worked with the manager of an innovative food fish production facility nearby which specializes in the production of Tilapia, treated to a behind-the-scenes tour of Chicago's Shedd Aquarium, conducted by Dr. David Casper (IL '73), aquarium staff veterinarian. ■

Dates to Remember

July 30, 1991

Alumni Reception at the AVMA Convention, 6:30 pm, Cascade II Room, The Westin, Seattle, Wash. Contact Terry Rathgeber or Dr. Erwin Small (217/333-5545).

September 11-13, 1991

(and every other month through Sept. 15-17, 1993)
Executive Veterinary Program in Swine Health Management. Contact Dr. LeRoy Blehl, CE-PS, (217/333-2907).

September 14, 1991

The IAMS Behavior Seminar (courtesy of The Iams Company), featuring Job Michael Evans, formerly of the New Skete Monastery, on understanding canine behavior and behavior therapy; Urbana. Contact Dr. Kristi Arndt Green (217/333-2907) or Dr. Jo Ann Eurell (217/333-7580).

September 21, 1991

Deans Club Tent Party prior to the Houston game. Deans Club members will receive a mailing on the tent party. Contact Terry Rathgeber (217/333-5545).

October 3-4, 1991

Annual Fall Conference for Veterinarians, Urbana. Contact CE-PS (217/333-2907).

October 5, 1991

Football Tent Party prior to the Minnesota game. Information will be mailed with the Fall Conference mailing. Contact Terry Rathgeber (217/333-5545).

Veterinary REPORT

Published four times annually by the University of Illinois College of Veterinary Medicine for its students, faculty, alumni and friends. Information for Veterinary Report or address changes should be mailed to:

Veterinary Report
University of Illinois
College of Veterinary Medicine
2938 VMBSS, 2001 S. Lincoln Ave.
Urbana, IL 61801

Editors:

Tania Banak, Editorial Associate
Kimberly Meenen, Assistant Editor

Development Director:
T.W. Rathgeber

Associate Dean for Alumni Affairs:
Dr. Erwin Small

Graphic & Photographic Support:
Biomedical Communications Center
Art Coordinators: K. Chmielewski, S. Bishop
Photographers: Lil Morales, Bob Myers

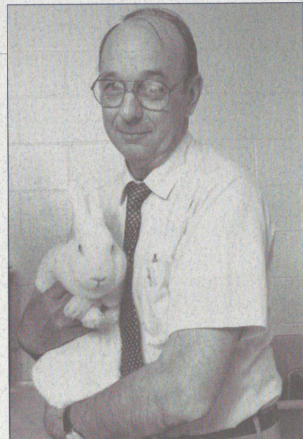


Dr. Gale Taylor Brings Diverse Experiences and A Wealth of Animal Care Knowledge to Illinois

BY KIMBERLY MEENEN

Gale Taylor is politically aware of the potential conflicts that can arise in today's field of lab animal medicine. We are extremely fortunate to have a man of this caliber serving our campus. — Leon Frizzell, chairman of the Laboratory Animal Care Advisory Committee, University of Illinois.

We rely on Gale Taylor as a primary resource for lab animal care information. His knowledge of lab animal facilities, career experience and national achievements, make him a trustworthy resource to the University. When we need to know, we call Gale. He keeps Illinois in step with the rest of the country. — Landrum Young, director of the Office of Laboratory Animal Resources, University of Illinois.



LI MORRIS

After graduating from the UI College of Veterinary Medicine in 1957, Dr. Gale Taylor set up practice in Oakland, Illinois and perhaps would have continued there if Uncle Sam hadn't called him to active duty in 1962. For Dr. Taylor, that draft notice was the beginning of a 20-year military career and a distinct niche in veterinary medicine.

One of Dr. Taylor's first military assignments was working with monkeys and chimps destined for NASA's space program. He credits this project for steering him toward a career in lab animal medicine.

While in the Air Force, Dr. Taylor earned an MS degree in laboratory animal medicine. Later, he obtained a PhD in environmental health and toxicology.

With these degrees under his belt, the Air Force handed him the task of coordinating the cleanup of over two million gallons of Agent Orange. Dr. Taylor explains that Agent Orange was a herbicide or defoliant used during the Vietnam War to kill unwanted plant life and to remove leaves from trees which otherwise provided cover for the enemy.

He continued to spearhead projects for the military before retiring in 1982. After working in private industry for two years, former Dean Richard Dierks recruited Dr. Taylor to head the college's Office of Laboratory Animal Care (OLAC). He accepted the position and returned to his alma mater.

Today, Dr. Taylor spends half his time as director of laboratory animal care and professor of veterinary pathobiology at the College of Veterinary Medicine. He is also chairman of the department's comparative medicine division. As if that's not enough, during the other half he serves as the head of the laboratory animal medicine program and institutional veterinarian for lab animals (not including farm production species) for the UI Office of Laboratory Animal Resources. That's approximately 35,000 animals per year, according to Dr. Taylor.

"Dr. Taylor is a dedicated, easy-going individual. A real pleasure to work with," says Yvonne Simpson who has worked with Dr. Taylor for six years. "He's highly respected by his peers, both in and out of lab animal medicine."

In addition to delivering veterinary care to the lab animals owned by the University, Dr. Taylor helps ensure that the rules and regulations instilled by the USDA and the Public Health Service concerning housing, treatment, and use of lab animals are strictly enforced.

He recently chaired a committee on educational programs in lab animal science for the National Research Council which produced the publication *Education and Training in the Care and Use of Laboratory Animals: A Guide for Developing Institutional Programs*.

As an institutional veterinarian, Dr. Taylor also reviews protocols for the University's Laboratory Animal Care Advisory Committee. Each study involving animals on campus requires a protocol review. Over 500 protocols are submitted every year.

When asked about his notable accomplishments while at the college, Dr. Taylor cites the campus-wide renovations of animal care facilities. "The U of I is committed to state-of-the-art animal care and housing," he says.

At the vet college alone, nearly \$3 million have been invested in the central animal care facility. This complex, which has been in operation since 1987, was developed and designed under Dr. Taylor's direction. Plans are currently underway to modernize laboratory animal facilities in the college's Small Animal Teaching Hospital as well.

As an active member and officer of a number of nationally-recognized committees and organizations, Dr. Taylor stays abreast of the rapidly changing regulations and issues in his specialty.

He visits lab animal facilities across the country as a site evaluator for the American Association for Accreditation of Laboratory Animal Care (AAALAC). Though the veterinary college is not currently accredited, he hopes to apply to the AAALAC once remodeling in the teaching hospital is complete.

Dr. Taylor is pleased with the direction of lab animal medicine at the college. Now an academic component of the Department of Veterinary Pathobiology, new programs are being developed to expand the training, teaching and graduate programs in lab animal medicine. The staff has also grown from one to three full-time faculty members.

Dr. Taylor and his wife, Marilyn, have three children, Thomas, Peggy and Matthew. ■

Pseudorabies, Continued from page 1

depends on adequate vaccination strategies which prevent the of virus to clean herds. This group is studying how PRV infects and counters the pig immune system. They have found that some immune cells are vulnerable to PRV infection. PRV can kill these cells and rapidly disable their function, even in cells that are not lethally infected. Thus, the ability of immune cells to kill virus-infected cells is greatly inhibited.

Results suggest that this process adds to the persistence and spread of PRV. These studies also suggest a mechanism for the immunosuppression thought to cause increased frequency of secondary respiratory infection in PRV-infected herds. By learning how the virus attacks the pig's immune system, vaccine strategies can be developed to activate proper immune mechanisms and repair damage caused by viral infections. For more information contact Dr. Hahn at (217)333-8234.

■ **Dr. Richard Isaacson:** *Molecular biology of neonatal diarrhea caused by Escherichia coli.*

Enterotoxigenic *Escherichia coli* continue to be a primary cause of diarrhea in neonatal and weaned pigs. This investigation is studying the molecular mechanisms that contribute to *E. coli*'s ability to cause disease. It is important to identify the receptor in the small intestines that allows *E. coli* to attach to the mucosal surface. This interaction promotes colonization of the small intestines which is a prerequisite for disease. Therefore, this receptor is key in mediating sensitivity to disease.

As animals age, the receptor is redistributed over the mucosal surface to a site that promotes resistance to disease rather than sensitivity. It is the principle of sensitivity and resistance that is being explored. This project aims to determine if purified receptors can be used therapeutically or whether transgenic animals lacking the receptor are resistant to disease. For more information contact: Dr. Isaacson at (217)333-7825.

■ **Dr. Gail Scherba and Dr. Ling Jin:** *Studies of subclinical low-prevalent pseudorabies virus reactors in Illinois.*

Subclinical low-prevalent PRV reactors are from herds that are considered PRV free as shown by serological tests. However, at some point, one or a few pigs in such herds will suddenly turn up serologically positive. This is despite the fact that the herd appeared to be free of PRV. This is why the term subclinical is used because if this is truly a PRV infection occurring in these reactors, the infection remains silent (subclinical). Therefore, if PRV is involved, then it must be an avirulent strain.

Though not a significant problem in the current stage II of the PRV eradication program in Illinois, such reactors will complicate the situation during the mandatory cleanup phase. This project is attempting to address these issues before it becomes a hindrance to the eradication program.

Current study results indicate that some of the unvaccinated pigs did have a real PRV infection. This means that the producer may have a smoldering PRV herd problem that has gone undetected and more than a few pigs are infected in the herd and/or a subclinical (avirulent) strain of PRV exists in the U.S. This project attempts to identify and isolate PRV from true subclinical low-prevalent PRV reactors within Illinois in order to assess their implications for the state's eradication program. For more information, contact: Dr. Scherba at (217)244-0929.

■ **Dr. Ronald M. Weigel, Dr. William F. Hall and Dr. James R. Lehman:** *Large herd pseudorabies eradication.*

As part of a seven-state, USDA-initiated project, we are working in conjunction with the Illinois Department of Agriculture in an intensive study to eradicate PRV from six Illinois large swine herds with 400 sows or more. The goal is to eradicate PRV from each herd within three years. Each herd is following a cleanup program focusing on vaccination (three herds receive Upjohn TOLVID®, three receive Norden PR-Vac®) and prescribed management changes.

Each herd is visited bi-monthly and at least 30 serum samples each are drawn from the grower, finisher and breeding units. Upon completion of this study, production data will be made available to the industry to provide marketing and profitability insight. For more information, contact Dr. Weigel at (217)244-1365.

■ **Dr. Federico Zuckermann:** *Analysis of the cellular immune response of swine to pseudorabies virus.*

Disease is a major contributor to efficiency loss in animal production. Since the immune system is responsible for the elimination of infectious agents that produce disease, an understanding of the immune response of swine to infectious agents is essential to improve animal health and productivity. In this project, PRV is being utilized as a model to study the cell-mediated immune response of swine after infection with a virus. The goal is to discern the role and function of T lymphocyte subpopulations in the immune response to PRV.

This project will also study, via recombinant DNA technology, the cellular immune response of swine to single PRV immunodominant antigens. As more knowledge is gained about the immune system's response to single PRV antigens, subunit vaccines can be developed. In addition, by utilizing the same system, in collaboration with Dr. Larry Schook, animal sciences, the genetic control of the immune response in swine to viral antigens is being investigated. Contact Dr. Zuckermann at (217)333-7767. ■

Readers
Tell
Us
What
They Want

RESPONSES TO OUR VET REPORT

query as to how we are doing were sparse but informative. Alumni are the only ones who responded, and generally, they're pleased with the publication. They would like to see more stories about alumni, however. And some wanted research briefs and clinical studies as well. To generate more alumni coverage, we've

added a request for alumni information in this issue. We're working on a system of reporting college research (as it's funded) to you as well. Case studies, however, are less appropriate for this publication. Our audience is much broader than just practicing veterinarians. We'll do our best to keep you informed of new procedures nevertheless!

A hearty **thanks** to all who responded. Keep those comments coming!



Faculty at College Receive Awards



Dr. William Tranquilli (right) accepts the SmithKline Beecham Award for research excellence from Dr. Joseph DiPietro, the college's acting Associate Dean for Research.

Tranquilli Gets Research Award

Dr. William Tranquilli, associate professor of veterinary clinical medicine at the college in anesthesiology, received the **SmithKline Beecham Research Award** for research excellence. The award, consisting of a plaque and \$1,000, is given on the basis of veterinary medicine-related research that has been performed within the last two years and shows promise of attaining national recognition.

Dr. Tranquilli's research interests have included the study of the physiologic effects of anesthetic agents, inhalation anesthetic potency, receptor mechanisms, alpha-2 pharmacology, and avermectin toxicosis. He has over 100 publications and 100 scientific abstracts.

Stahl and Vimr Get First Levine Award

Drs. David Stahl and Eric Vimr, both in veterinary pathobiology, were selected as co-recipients of the first **Norman and Helen Levine Award for Research Excellence** based on the quality of their research and their excel-

lence of scholarship. Each received \$250 and a plaque.

Established by veterinary pathobiology department head Dr. Ken Todd, the award has a twofold purpose. It is designed to recognize and stimulate excellence in research among young faculty at the college while concurrently honoring renowned former UI veterinary parasitologist Dr. Norman Levine, and his wife, Helen. Dr. Levine has mentored many graduate students in the area of parasitology.

Dr. Todd will continue the award on an annual basis as long as he is on the faculty. He is working to create an endowed account that will provide at least \$500 annually to a selected researcher in perpetuity. Eligibility for the award is limited to tenure-track or tenured faculty who have not been with the college for more than 10 years from the time of their appointment as assistant professor. The award will rotate among the college's three departments.

Dr. Stahl, an assistant professor in microbiology/immunology, is researching microbial ecology of anaerobic environments using comparative DNA sequencing and probing techniques.

Dr. Vimr, also an assistant professor in microbiology/immunology, is working on the biological roles of the sialic acids in microbial pathogenesis.

Smith Chosen as Distinguished Teacher

Dr. C. W. Smith, professor of veterinary clinical medicine and chief of small animal surgery at the college, was selected to receive the **Norden Distinguished Teacher Award** by fourth-year veterinary students at the college. This is the third time he has been chosen for this honor, based on outstanding teaching ability as well as character and leadership qualities.

The award, consisting of a plaque and a \$1,000 honorarium, is presented annually to an outstanding faculty member at each of the nation's 27 veterinary colleges. It is sponsored by SmithKline Beecham, Inc. of Exton, Pennsylvania.

Dr. Smith received the award previously in 1977 and again in 1983. He teaches orthopedic surgery. ■



Dr. David Stahl (far right) and Dr. Eric Vimr (center) accept the Norman and Helen Levine Award from Dr. Ken Todd (far left), veterinary pathobiology department head.



Dr. C.W. Smith (left) accepts the Norden Distinguished Teacher Award for outstanding teaching ability from Quentin Bottorff (right), representative of SmithKline Beecham Animal Health, sponsors of the award.

Others receiving awards include:

● **Dr. Scott Austin**, former resident in equine medicine and surgery at the college — the **L.E. Boley Award** for research and scholarship excellence in resident training in veterinary medicine.

● **Dr. Timothy Baszler**, former graduate student in veterinary pathobiology at the college — the **J.O. Alberts Award** for outstanding research and excellent scholarship while at the college.

● **Dr. Phil Solter**, graduate student in clinical pathology — the **Mu Chapter of Phi Zeta Award for Literary Excellence**, based on a paper he wrote titled, "Haptoglobin and ceruloplasmin as determinants of inflammation in dogs."

● **Elizabeth W. Alm**, graduate student in microbiology at the college — the **Mariangela and Diego Segre Research Fellowship** based on research excellence in microbiology/immunology.

A Menagerie of Past Graduations at Illinois



"It was understandable if anyone attending the University of Illinois College of Veterinary Medicine commencement exercises on Saturday did a double take — included among the graduates were Jean and Jayne Hooks, 23-year-old twins from Lawrenceville, Illinois." Following graduation, Jean went on to become the first woman officer in the Army Veterinary Corps. Jayne headed east to Deal, New Jersey to enter a small animal practice. (Adapted from a June 21, 1970 *Champaign-Urbana Courier* article.)

Where are they now?

Following graduation, **Dr. Jean (Hooks) Sessions** did serve in the Army Veterinary Corps for two years. Currently, she owns the Glenvil Veterinary Clinic, a small animal practice in Potomac, Maryland. She has won several notable veterinary awards due to her research on Potomac horse fever. Jean also works with canine search and rescue programs on a national and international level.

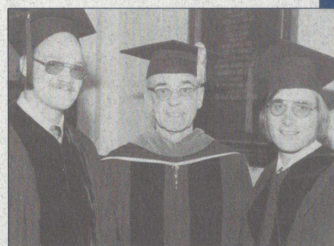
Dr. Jayne (Hooks) Jensen did enter a small animal practice in New Jersey following commencement. Now located on the opposite coast, she owns Tiger Mountain Veterinary Clinic, a small animal practice in Issaquah, Washington. Jayne is very active in the state's veterinary association. She serves on

the association's public relation's committee and utilizes the broadcast mediums of television and radio to promote veterinary care. For example, she is featured every other week on a radio talk show. Jayne and her husband, Douglas, have three children.

In 1968, veterinary medicine and marriage went hand-in-hand for three husband and wife couples who earned their DVM degrees from the College of Veterinary Medicine. According to a June 11, 1968 college news release, Mr. and Mrs. Samuel (Nancy) Lerner, Mr. and Mrs. Eric L. (Carol) Robison, and Mr. and Mrs. Thomas J. (Bonnie) Wilcox, were among the 51 graduates who completed the professional program. The release stated that each of the couples hoped to set up a man-and-wife private practice following graduation.

Where are they now?

The Foster City Pet Hospital, Foster City, California is run by **Drs. Sam and Nancy Lerner**. **Drs. Eric and Carol Robison** run the Cape Veterinary Clinic in South Portland, Maine. They've owned this small animal practice for 18 years. **Drs. Tom and Bonnie Wilcox** operate the Preemption Veterinary Clinic in Preemption, Illinois. Tom handles the large animal cases and Bonnie works with the small animal cases. ■



UI College of Veterinary Medicine's Dean L. Meyer Jones (center) poses with salutarian Charles Carmichael (left) and valedictorian John Gattuso (right) at 1975 commencement ceremonies.

Veterinarian's Oath

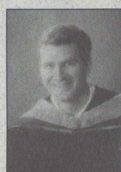
"Being admitted to the profession of veterinary medicine, I solemnly swear to use my scientific knowledge and skills for the benefit of society through the protection of animal health, the relief of animal suffering, the conservation of livestock resources, the promotion of public health, and the advancement of medical knowledge.

I will practice my profession conscientiously, with dignity, and in keeping with the principles of veterinary medical ethics.

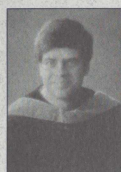
I accept as a lifelong obligation the continual improvement of my professional knowledge and competence."



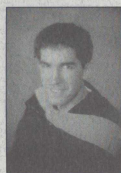
Veterinary College Salutes Student Achievements



Gregory Ballard



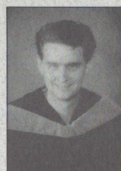
D. Michael Barnett



V. Rudy Corman



Kathryn Foertsch



Edward Kreider



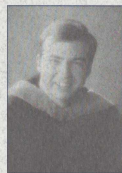
Mark Revenaugh



Robert Formea



Gail Golab



Darrell Greathouse



Mark Hall



Joseph Bodewes



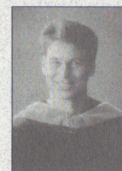
Elizabeth Clyde



Patrick Hayden



Bridget Hayes



Matthew Taylor



Kara Trommater

Gruelle — MONY Award.

Elizabeth Clyde, El Dorado, Arizona, won first place in the Hill's Pet Products Architectural/Veterinary Student Hospital Design Award contest, with her architectural student teammate, Elizabeth Rutherford. Clyde also claimed second place in the Hill's Senior Student Award competition.

For exhibiting the greatest effort, interest, aptitude, and proficiency in swine medicine, **V. Rudy Corman**, Roseville, Ill., was presented the Purina Mills Award. Accepting the Dr. Lester E. Fisher Award was **Kathryn Foertsch**, Decatur, Ill., for her proficiency in small animal medicine. **Robert Formea**, Palmyra, Ill., received the Pfizer Veterinary Student Award for academic achievement and potential.

Gail Golab, Mt. Prospect, Ill., received both the American Animal Hospital Association Award for clinical proficiency in small animal medicine and surgery and the IAMS Pet Foods Scholarship for an excellent animal nutrition paper on a topic specified by IAMS. Golab also won first place in the Hill's Senior Student Award competition for an essay discussing the application of nutritional control and dietary management to the diagnosis and management of diseases in cats and dogs.

Accepting both the Upjohn Companion Animal Award for overall proficiency in small animal medicine and the Robert B. Gruelle — MONY Award for excellence in small animal medicine was **Darrell Greathouse**, Cincinnati, Ohio. Greathouse also won the Dr. Edward C. Khuen Memorial Award for proficiency in small animal surgery as well as the College of Veterinary Medicine Award for

Academic Excellence for ranking second academically in the Class of 1991. In addition, he received the Carrie McGreevy Award to the Salutatorian during commencement.

Mark Hall, Monmouth, Ill., won the Oxford Award for his interest and achievement in swine medicine. **Patrick Hayden**, Chicago, Ill., was presented the College of Veterinary Medicine Award for Academic Excellence for ranking third academically in the Class of 1991. Accepting the American Association of Feline Practitioners' Student Award for her special interest and accomplishment in feline medicine was **Bridget Hayes**, Belleville, Ill.

The Upjohn Food Animal Award for overall proficiency in food animal medicine went to **Edward Kreider**, Chicago, Ill. **Mark Revenaugh**, Barrington, Ill., was awarded the Illinois Veterinary Medical Alumni Association Award for overall proficiency in clinical medicine.

The Dr. Samuel F. Scheidy Award went to **Matthew Taylor**, Urbana, Ill., for his performance, aptitude, and interest in clinical pharmacology and rational therapeutics. The winner of the American College of Veterinary Surgeons Award for academic and clinical proficiency in surgery was **Kara Trommater**, Hoffman Estates, Ill.

Underclassmen Recognized

Fourth-year students weren't the only ones saluted at the college's banquet. Among the award-winning juniors: **Suzanne Capaul**, Grayslake, Ill., was presented the College of Veterinary Medicine Award for Academic Excellence for ranking second academically in the Class of 1992. Both **Kelly Foltman**, Cheshire, Connecticut, and **Amy Swinford**, Hoffman Estates, Ill., were awarded Dr. H.J. Hardenbrook Equine Scholarships for their academic ability and demonstrated equine interest and experience.

Michelle Goehner, Macomb, Ill., received the College of Veterinary Medicine Award for Academic Excellence for ranking third academically in the Class of 1992. The Dr. C. David McLaughlin Scholarship was awarded to **Vickie Grevan**, Des Plaines, Ill., for her interest in small animal medicine and surgery. Grevan also received the College of Veterinary Medicine Award for Academic Excellence for ranking first academically in the Class of 1992.

Walter Krzak, Jr., Palos Heights, Ill., won the Dr. H. Preston Hoskins Award for proficiency and expertise in technical writing and/or editorial service for veterinary publications written while in veterinary school. **Martin Ohl**, Chrisman, Ill., was the winner of the Dr. Vaylord Ladwig Memorial Scholarship for his interest in food animal medicine, particularly swine.

For exhibiting the greatest potential and interest in the art and science of small animal diagnosis, **Elizabeth Rozanski**, LaGrange Park, Ill., was awarded The Provides Award.

Second-year students receiving awards included the following: **Katherine Connell**, Wadsworth, Ill., was awarded the University of Illinois Bronze Tablet for ranking in the top three percent of her class academically at the college at the time she earned her B.S. degree.

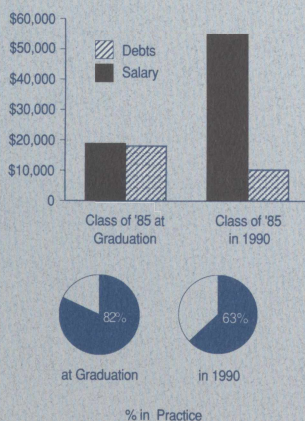
Heide Goettsche, Inverness, Ill., and **Timothy Slajchert**, Caldwell, New Jersey, were both presented with the Dr. Jesse Sampson Award for scholarship, achievement, and aptitude in physiology. Goettsche and Slajchert also tied for the College of Veterinary Medicine Award for Academic Excellence for ranking first academically in the Class of 1993. **Keith Peterson**, Peoria, Ill., was awarded the College of Veterinary Medicine Award for Academic Excellence for ranking third academically in the Class of 1993.

Four first-year students shared the honor of ranking first academically in the Class of 1994; they include: **Henri C. Bianucci**, Wilmette, Ill., **John P. Collister**, Mt. Prospect, Ill., **Mark A. Oyama**, Burr Ridge, Ill., and **Stacy A. Semevolos**, Belvidere, Ill. These students were presented College of Veterinary Medicine Awards for Academic Excellence. ■

(Not Available for photos: Karen Abrams, William Brown.)

After Five Years Out, Graduates Have Made Changes

ONLY THREE MEMBERS of the class still held the same position they accepted after graduation. Although the majority had made changes in place of employment and 53 percent had changed their goals since graduation, that did not reflect the graduates' satisfaction with the profession as a whole. Seventy percent agreed they'd do it over again if they had a choice, and 93 percent held positive to very strongly positive attitudes towards the profession. More than half the class responded to the survey. Eight of those responding had received additional degrees after graduation, while three had become board certified in a specialty and another four were board eligible.



— data compiled by Lydia Miller, first-year veterinary student.



Amy Swinford (left) and Kelly Foltman (right), accept their Dr. H.J. Hardenbrook Equine Scholarships from Jared Hooker (center), director of the Illinois Department of Agriculture's Bureau of Horse Racing Programs. The scholarships, consisting of \$2,500 each, are sponsored by the Bureau of Horse Racing's Thoroughbred Breeders Fund and Standardbred Breeders Fund.



Food Animal Consortium Benefits Veterinary Students, Producers

BY TANIA BANAK

The first participants in the new Food Animal Production Medicine Consortium exchange program have returned home with glowing reports.

"It's a positive experience," says Lorelei Hass, a fourth-year veterinary student at the University of Illinois College of Veterinary Medicine. "I'd definitely recommend it."

Hess plans to enter mixed animal practice upon graduating with her DVM degree. She spent three weeks at Michigan State University, East Lansing, gaining experience in small-herd dairy production medicine. It's an area she felt she had little background in and wanted more training in.

The Consortium gives interested veterinary students a chance to do just that — gain in-depth experience in an aspect of food animal production medicine in which they don't have ample clinical experience at their home veterinary school. The program is funded by the PEW National Veterinary Education Program of the PEW Charitable Trusts.

Each of the five veterinary schools involved in the consortium (Illinois, California, Florida, Michigan State, and Kansas State in conjunction with Nebraska) emphasizes a species of livestock. Illinois' emphasis is on swine, California handles large herd semi-arid dairy production; Florida does both large herd semi-tropical beef cattle and dairy production; Kansas State collaborates with Nebraska to teach

beef cattle production medicine; and Michigan State handles smaller-herd dairy production medicine.

The University of Minnesota is a component of the interinstitutional program serving as a resource for data management.

Veterinary students at each of these institutions can spend two to three weeks or longer at one of the other participating schools if the student wants an in-depth learning experience in a particular food animal species.

"I was impressed," says Joe Bodewes, fourth-year Illinois veterinary student who spent three weeks at Kansas/Nebraska gaining beef cattle experience. "We were getting top-of-the-line, cutting-edge information. I was surprised at the amount of computer work, but that was one of the most valuable parts. A lot of what we learned about large-scale beef herd health as seen in Kansas can be applied to smaller Illinois herds as well."

Bodewes wants to enter mixed practice upon graduation with emphasis on dairy and beef.

Others who participated in the program echoed his enthusiasm. No matter what school they went to, exchange program participants spent time in lectures, clinics and in the field. The only concern has been that some of the participants wanted an even more targeted, intensive experience. But students are quick to point out that the program is just starting up and the

bugs need to be ironed out.

Each participant has recommended the program to others, whether sessions were perfectly organized or not. The bottom line is that interested students can learn more about specific food animal species, which in turn will benefit their clients.

Carol Adams, a University of Florida at Gainesville student, came to Illinois to gain practical experience with hogs that she could not get in her home state. "These guys have really done a good job," she said, referring to Drs. Bane and Hall. "I feel competent enough now that I can go out to a swine farm and help a producer." For some-

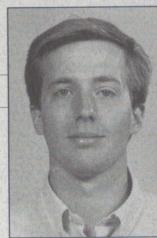
one whose goal is to be a well-rounded large animal practitioner, that's a plus.

Kevin Jacobs, fourth-year student at Illinois, says his Consortium experience really impressed potential employers during his job search. "It gave me an edge," he noted. Jacobs participated in sessions at both California and Michigan State. He is joining a 90 percent dairy practice in north-eastern Iowa.

This year, a total of 30 students participated in the program. Six of those students came to Illinois. Ten Illinois students were slated to spend time at other institutions. ■



Lorelei Hass



Joe Bodewes



Carol Adams

Researcher at Vet Med Says Environment Will Have its Own Doctors

AN AILING ECOSYSTEM — such as a wetland, desert, freshwater stream, or woodland — can't just tell a doctor what is wrong with it. Fixing the problem takes someone who can draw accurate conclusions by observing, much as a veterinarian does with his or her patients.

That's where the new field of "ecosystem health and medicine" comes in.

According to Dr. David Schaeffer, an environmental toxicologist at the University of Illinois College of Veterinary Medicine at Urbana, science is moving towards training people who can evaluate the status of an ecosystem and then make recommendations for either restoring the system or maintaining it in self-sustaining form.

"We're not at the treatment stage yet, but it's going to go that way," he predicts. Eventually, scientists must learn how to do a "patient" history, process the information gained, make an assessment, and recommend treatment. For now, much remains to be learned.

Dr. Schaeffer's research on ecosystem risk assessment has been sponsored by the Illinois Department of Energy and Natural Resources (IDENR) and the Department of the Army for the last five years.

On a theoretical level, he is developing a process for identifying response "threshold" criteria for ecosystems. His experimental research, driven by new regulatory needs, is looking at the feasibility of using planaria (aquatic flatworms) to develop a bioassay for screening the environment for the presence of cancer-causing compounds. He is doing interspecies comparisons of the results to determine whether planaria can become a screening tool for human and ecosystem risk assessment.

In September, he will be organizing a workshop on "Ecosystem Diagnosis."

Dr. Schaeffer, who is at the forefront of the developing ecosystem health field, notes that a single worldwide computerized database is needed. Just as in medicine, a patient history has to be available first. Then this information needs to be processed and an assessment made.

Collaboration between a variety of computer experts, systems analysts, modelers, engineers, etc. will be necessary at this stage. Some will emerge as eco-physicians, eventually being able to recommend treatment for a damaged or polluted system.

For now, there is little appropriate background data on ecosystems. Even an unstressed ecosystem varies from season to season and year to year. To develop a good baseline of information to work from, data may need to be collected for 10 or even 20 years.

In the meantime, scientists worldwide will continue to refine their knowledge and techniques. Eventually, Dr. Schaeffer predicts, scientists will pool their information and put it to use diagnosing ecosystem "health" problems. ■

An Overview of Research Funded at the College

Research, both basic and applied, is a major thrust at the University of Illinois College of Veterinary Medicine. Faculty at the college competitively obtain funds from a variety of sources, enabling them to investigate in their area of expertise.

During the first three months of 1991, the following research projects were funded at the University of Illinois College of Veterinary Medicine:

EQUINE

DiPietro JA, Pfizer Inc, \$18,991, "Effect of Daily Administration of Pyrantel Tartrate on the Development of Experimentally Induced Parasitic Equorum Infections in Pony Foals."

DiPietro JA, Amer Cyanamid Co, \$42,985, "Controlled Efficacy Study of Moxidectin Equine Paste Against Prevalent Parasite Infections in Equids."

SWINE

Beasley VR, US Army, \$29,147, "Toxicokinetics of Microcystin and Dihydropyrimidin in Swine."

Bevill RF, Temple U, \$42,363, "Formation and Metabolism of Nitrosamines in Pigs."

Hahn EC, USDA, \$12,500, "Role of Pseudorabies Glycoproteins in Immunopathogenesis."

Hahn EC, Xytronic Inc, \$19,186, "Characterization of Pseudorabies Subunit Vaccines."

Hahn EC, USDA, \$24,000, "Research in Support of a National Eradication Program for Pseudorabies."

Isaacson RE, USDA, \$15,000, "Isolation and Genetics of a Porcine Receptor Mediating Sensitivity to E. Coli."

Isaacson RE, USDA, \$18,200, "Prevention of Salmonella Typhimurium Colonization of Swine by Peptide Vaccines."

Scherba G, USDA, \$14,000, "Prevention and Control of Enteric Disease of Swine."

Scherba G, USDA, \$20,000, "Viral Research in Support of an Illinois and a National Pseudorabies Eradication Program."

Vimr ER, USDA, \$14,700, "Pasteurella Pneumonia in Swine: Neuraminidase as a Virulence Factor."

Weigel RM, USDA, \$20,200, "Quantitative Research Methods in Pseudorabies Eradication."

Zinn GM, Lilly Res Labs, \$5,388, "Tilmicosin Premix for Swine Pneumonia."

Zuckermann FA, USDA, \$15,650, "Analysis of the Genetic Control of the Cellular Immune Response of Swine to Individual Viral Antigens."

RUMINANT

Hungerford LL, USDA, \$18,100, "Ovine, Epidemiologic Analysis of Risk Factors and Economics of Ovine Respiratory Disease."

Jackson GL, USDA, \$25,000, "Control of Breeding Season Length in Male and Female Sheep."

Zinn GM, USDA, \$10,000, "Bovine, Tolerance to Toxicosis Induced by Acremonium Coenophialium Infected Tall Fescue."

SMALL ANIMAL

Iwamoto GA, Res Board, \$20,000, "Feline, Neurochemical Events Underlying Cardiovascular Responses."

GENERAL

Baskin AB, US Army, \$19,160, "Provide FY91 Construction Automation Support Center Support."

Baskin AB, US Army, \$21,972, "Knowledge Organization System (KOS) Demonstration Program."

Beasley VR, Great Lakes Protection Fund, \$38,310, "Enviro-Vet, Project III. An Intensive Shortcourse in Freshwater Aquatic Animal Medicine/Environmental Toxicology."

Beasley VR, NIH, \$141,272, "Rat, Mechanisms of Microcystin-LR Hepatotoxicity."

Bunick D, Res Board, \$20,000, "Mice, Transcriptional Regulation in Spermatogenesis."

Gelberg HB, Bristol-Myers Co, \$6,120, "Rat, Morphometric Analysis of Rat Small Intestine."

Hansen LG, Health and Welfare Canada, \$15,000, "Tumorigenesis of PCB Congeners in Planaria."

Jeffery EH, USDA, \$13,600, "Chicken, Role of Pancreatotoxicity in Weight Loss Syndrome of Chickens Fed Crambe Meal."

Kirton UD, U OF Rhode Island, \$5,000, "Vector-Borne Diseases in National Parks."

Meerdink GL, USDA, \$14,000, "Occurrence of Mycotoxins in Feeds and Foods and Their Effects on Animal and Human Health."

Schaeffer DJ, ILL ENR, \$95,450, "Approaches to Establish State-Wide Priorities and Strategies for Monitoring and Evaluating Biodiversity."

Segre M, Res Board, \$9,755, "Mice, Immunoregulation Via the Idiotype Network."

Stahl DA, Martin Marietta Energy Sys, \$4,780, "16S Ribosomal RNA Sequence Determination and Verification."

Stahl DA, Dept of the Navy, \$6,000, "Characterization of Biofilm Microbia Community Structure by Ribosomal PNR."

Wallig MA, USDA, \$25,000, "Chicken, Evaluation of Crambe Meal as a Feed Supplement in Chickens."

Wallig MA, NIH, \$126,923, "Rat, Cyanohydroxybutene Toxicity and Glutathione."

We have listed only the principal investigator due to space limitations. Other faculty and graduate students are involved in these projects as well.

Alumni Notes

■ All alumnae/i with current addresses will soon be receiving an important Alumnae/i Directory Questionnaire in the mail. This is being sent to give every alumna/us the opportunity to be accurately listed in the upcoming new University of Illinois College of Veterinary Medicine Alumnae/i Directory.

Please be sure to complete and return your directory questionnaire as soon as possible!

We expect to include nearly 3,000 alumnae/i in this new directory being published by Harris Publishing Co., Inc. If you don't return your questionnaire there is a possibility you may be inadvertently omitted. So don't take a chance... watch for your questionnaire and remember to return it promptly.



■ **Dr. Warren Anderson**, 1956, of Blue Island, Ill., was selected to receive the 1990 ISVMA Service Award in recognition of his meritorious service to the veterinary profession. He was also elected as ISVMA treasurer for 1991.

■ **Dr. Byford Wood**, 1960, Breese, Ill., has been elected as the ISVMA's 1991 president-elect. Dr. Wood, a native of southern Illinois, was nominated by the Southern Illinois Veterinary Medical Association.

■ Three of the college's alumni hold key positions in two national laboratory animal organizations. **Dr. C. Max Lang**, 1961, Hershey, Penn., will assume the presidency of the American College of Laboratory Animal Medicine (ACLAM) on July 1, 1991. **Dr. Michael Kastello**, 1970, Rahway, New Jersey, will assume the chairmanship of the American Association for Accreditation of Laboratory Animal Care's Council on Accreditation. Joining him as vice-chairman of the Council will be **Dr. Gale Taylor**, 1957, Urbana, Ill., who is also currently serving as secretary-treasurer of the ACLAM.

■ **Dr. Joseph Foerner**, 1965, partner in the Illinois Equine Hospital & Clinic, Naperville, is serving as president of the American College of Veterinary Surgeons.

■ **Dr. Thomas Riebold**, 1972, was elected president of the American College of Veterinary Anesthesiologists for 1991. Dr. Riebold is an associate professor at the Veterinary Teaching Hospital, College of Veterinary Medicine, Oregon State University, Corvallis, Oregon.

■ **Dr. David Casper**, 1973, is the first full-time veterinarian at Chicago's newly-expanded John G. Shedd Aquarium. According to an Associated Press article, he has "gotten his feet wet taking care of whales and dolphins that will showcase the nearly completed Oceanarium" (ed's. note: opened Apr. 27, 1991). There are only about 10 full-time veterinarians at the country's 20 major aquariums.

■ **Dr. Gregg BeVier**, 1982, has been

appointed Export and Corporate Sales Manager for Pig Improvement Company, Inc., Franklin, Kentucky.

■ **Dr. Roy Johnson**, 1982, owner of the DeAnza Animal Clinic in Albuquerque, New Mexico, has organized the Lifelong Friends Program, a public assistance program supported by approximately 50 veterinarians around the state. The program, a cooperative effort among the New Mexico Veterinary Medical Association, State Agency on Aging and Sangre de Cristo Animal Protection, Inc., was mentioned in the February 1991 issue of *DVM Newsmagazine*. The organization provides free or assisted veterinary care to elderly people suffering financial hardships.

■ **Dr. Robert Cook**, 1987, recently opened the Animal Medical Clinic in St. Charles, Ill. The clinic, which provides full service to cats, dogs and exotics, is equipped with state-of-the-art facilities including diagnostic ultrasound and fiberoptic endoscopy.

■ Periodically, the college becomes aware of veterinary continuing education safaris to Kenya or other countries. If you would be interested in these types of trips, please contact **Dr. John Woods**, the college's international collaboration director, for more information (217)244-2106.

■ In memory of deceased alumni during the past year, the CVM Alumni Association purchased 13 new books for the college's Veterinary Library. The books are a fitting tribute, with titles ranging from small animal wound management to dairy cattle fertility and sterility. The Library extends its thanks to the Association for the books.

CVM Alumni Involved in Middle East Effort

■ **Dr. Jim Floyd**, MS, 1988 is serving with the U.S. Army Veterinary Corps in northern Saudi Arabia. Floyd sends his thanks to CVM faculty for letters of support. He says that he looks forward to mail with the University of Illinois letterhead and always opens it first. Prior to his assignment in the Middle East, Dr. Floyd was working as the beef Extension veterinarian for the state of Alabama at Auburn University.

■ Former CVM faculty member, **Dr. Bob Smith**, 1988, is currently serving with a civil affairs unit in Dhahran, Saudi Arabia. Among his duties, he coordinates the distribution of food, water and supplies to the Americans, Kuwaitis and Saudis. As of April 9th, Smith was still in Dhahran. Prior to his assignment in the Gulf, Dr. Smith worked as an associate veterinarian at Pennsylvania State University.

■ As of April 12th, **Dr. Joe Thulin**, 1988, a visiting CVM instructor of laboratory animal medicine, was serving as a captain with the U.S. Army Veterinary Corps in Augsburg, Germany. Dr. Thulin is providing support to a medical unit whose members were assigned to the Middle East effort. He is assisting with the public health mission.

We wish them a prompt and safe return home.



George Grimes (who developed the college's PLATO system) and Erwin Small chat during the Feb. 18, 1991 Alumni Reception at the Western States meeting, Las Vegas.



Sarah Daane, '86, Ten Sleep, WY; Mary Stromburg (Erlenbush), '86, Tuscola, IL; Evelyn Nusick, '84, Ramona, CA; and Peter Weinstein, '86, Irvine, CA catch up on news during the Feb. 18, 1991 Alumni Reception at the Western States meeting, Las Vegas.

In Memoriam

Dr. Robert James Milburn, 1981, passed away April 22, 1991 at 36 years of age. He had served as head veterinarian at Landmark Genetics, Watertown, Wisconsin since August 1988. He was a member of the AVMA, Wisconsin Veterinary Medical Association, American Association of Bovine Practitioners, and the National Association of Animal Breeders.

He is survived by his wife and three young sons. Memorials may be made to Horicon Marsh in Wisconsin or to the Scholarship Fund for the Milburn children.

We're Looking for News About You!

Veterinary Report welcomes news of your professional achievements and we're sure your colleagues and classmates will be interested too! Send us news of your recent accomplishments, along with a black and white photo if you have one. We'll gladly print what we have room for.

Please take a minute to fill in the form below and send it to: Veterinary Report, UI College of Veterinary Medicine, 2938 VMBSB, 2001 S. Lincoln Ave., Urbana, IL 61801. Thanks!

Name _____
Year of Graduation _____
Present Address _____
City _____ State _____ Zip _____
Present Job: _____

Business Address: _____

News about your recent professional achievement: _____

Football Tickets

available!

As we have for several years, the college has purchased a limited block of season tickets for the 1991 football season. We, of course, will have a large block of tickets for the Fall Conference weekend game with Minnesota on Oct. 5th.

You also will receive an order form for the Minnesota tickets with your mailing on the Fall Conference from Veterinary Extension. Deans Club members will receive a separate mailing for a tent party in conjunction with the Houston game September 21st. If you are interested in purchasing tickets for these or other home football games, please fill out the form below and return it to Terry Rathgeber at the address listed below.

Remember, our tickets to all other games are limited, so get your orders in early. Deans Club members will have first priority for all tickets but Minnesota. If you have any questions, call Terry Rathgeber at (217) 333-5545.

Fall Conference Football Tickets

Oct. 5 **Minnesota Homecoming** # _____ at \$22.00 = _____

Additional Games

Aug. 31 **East Carolina** # _____ at \$20.00 = _____

Sept. 21 **Houston** # _____ at \$16.00 = _____

Oct. 12 **Ohio State** # _____ at \$20.00 = _____

Nov. 2 **Wisconsin Dad's Day** # _____ at \$20.00 = _____

Nov. 16 **U. Michigan Pork/Varsity Day** # _____ at \$20.00 = _____

Total _____

NAME(S) _____

ADDRESS _____

CITY _____ STATE _____ PHONE _____

Tickets are reserved on a first come, first served basis. Please return form to: Terry Rathgeber, 3229 VMBSB, University of Illinois, College of Veterinary Medicine, 2001 S. Lincoln Ave., Urbana, IL 61801. Telephone: (217)333-5545.

Personal Info



College Briefs



● **Dean Ted Valli** (center) meets with two Team Upjohn Scholarship supporters David Berg (left), eastern Illinois sales specialist, and Terry Hansen (right), national account sales specialist, during the Illinois Pork Conference in Peoria on February 8th. Six Upjohn employees contribute to this scholarship which is awarded to a fourth-year veterinary student at the UI College of Veterinary Medicine. UI vet student Edward Kreider received the first scholarship last summer.

Upjohn representatives contributing to the scholarship, but not available for the photo include: Dr. Del Meyer (IL '57), director of technical services; E.J. Arendt, Chicago area sales consultant; Tim McCammon, southern Illinois sales specialist; and Jeff Schoen, western Illinois sales representative.

● **Dr. Joel Alsop**, resident in small animal surgery at the college, repaired a broken leg on an unusual patient on February 25, 1991. Contessa, a 13-year-old female cougar from the Henson-Robinson Zoo in Springfield, Ill., had broken the humerus in her left foreleg in one place.

Dr. Alsop, along with **Dr. Ann Johnson**, orthopedic surgeon, inserted plates and screws. **Drs. Keith Branson** and **Bill Tranquilli** performed anesthesia on the cat. Contessa made it through surgery well, and returned to the zoo for an uneventful recovery.

● Veterinary students and faculty/staff let off some steam on March 15, 1991 during the annual **Vetscapades** talent show. Acts ranged from humorous caricatures of vet school to more serious vocal and instrumental musical selections. **Gayle Rankin**, VM 3, won first place for a vocal rendition of the Sheila Walsh song "Angels with Dirty Faces." Second place went to a comical parody of college happenings called "Not Necessarily Vet Med News" by **Jeff Parton** and **Liz Rozanski**, both VM 3. **Mel Evilsizer**, VM 2, one of the chief organizers of the event, has a videotape available of the first half of the event if anyone would like to borrow it and make copies.



Ron Eltzeroth (left), Jo Ann Eurell (center) and Jerry Pijanowski (right) chat with the public at the college's booth during the March 30-31 International Kennel Club Dog Show at McCormick Place in Chicago. Also at the show were Dean V.E. Valli, Terry Rathgeber, and students Paul Bajuk, Owen DeVos and Lisa Scibetta.

● With interest in veterinary dentistry on the rise, the college will make good use of a \$3,300 MinXRay P200D portable dental X-ray unit donated by MinXRay, Inc. of Northbrook, Ill.

Dr. Sandra Manfra, veterinary dentist at the college, says the unit will be used to teach veterinary students various dental procedures.

Because the unit is self-contained, no separate control box is needed, making the unit extremely versatile. According to Gene Mrava, vice president of marketing at MinXRay, the company will be gaining valuable feedback from the college as to how the unit works on animals (vs humans).



Mrava (far right) delivered the unit on April 4, 1991 and demonstrated it to Dr. Sandra Manfra, Dr. Erwin Small, and Linda Klippert (far left).

The college is seeking additional equipment and funds to support the veterinary dental program. Interested parties should contact Dr. Manfra at the Small Animal Clinic or the college's development director, Terry Rathgeber, at 217/333-5545.

● **Dr. Rex Hess**, assistant professor of veterinary biosciences, had one of his photographs featured on the cover of the April issue of the *Anatomical Record*. The editor of the journal requested permission to use his photo of turtle sperm, along with a drawing by the college's artist, **Katherine Galasyn-Wright**.

● **Dr. Fred Troutt**, head of veterinary clinical medicine at the college, spent May 11-24 in Kenya and Uganda, working on linkages with Egerton University in Kenya and Makerere University in Uganda. At Egerton, Illinois is trying to establish a dairy center and mastitis control program. Between June 10-14, he was invited to present a course in dairy cattle production medicine at the Sydney Dairy Cattle Short Course, Sydney, Australia.

● **Dr. Kenneth Holmes**, veterinary biosciences, has been elected to serve a three-year term representing the

College of Veterinary Medicine on the university's Bioengineering Executive Committee. His term begins on August 21, 1991.

The three-person committee includes a chair from the College of Engineering and co-chairs from the Colleges of Liberal Arts & Sciences and Veterinary Medicine. Members of the Executive Committee perform administrative duties related to bioengineering issues.

● **Thanks** to the following donors to the college's annual Veterinary Medicine Open House:

- Chicago Veterinary Medical Assoc.
- Hill's Pet Products, Inc.
- Illinois State Veterinary Medical Assoc.
- Kankakee Valley Veterinary Medical Assoc.
- Mississippi Valley Veterinary Medical Association
- Ralston Purina Co.
- UI College of Veterinary Medicine
- Upjohn Co.

Donors help the veterinary students pay for the poster design and printing; movie, video and VCR equipment rentals; mailing and copy costs; materials for exhibits; and much more.

● The college's **Clinical Pathology Laboratory** recently obtained a new Hitachi 704 blood chemistry autoanalyzer. Whereas their previous analyzer could run 16 tests per sample, the new one will run up to 20. That gives the laboratory a chance to add new tests to their repertoire. Not only that, but the new analyzer uses less reagents, less water, and produces less reagent waste while doing its job.

According to Dr. Walt Hoffmann, they would like to add three to four "veterinary specific" tests that they've developed themselves. Most of the reagents used for their testing are adapted from human use.

● **Jane Chladny**, a veterinary research specialist in veterinary pathobiology at the college, received the Histotechnologist of the Year Award from the Illinois Society for Histotechnologists during the organization's annual state meeting held in Decatur, Ill., on April 19, 1991. She is the first veterinary histotechnologist in Illinois to receive this award.

Chladny has worked for the veterinary college since 1984. She prepares tissue samples from the clinic as well as from all across the state for diagnostic work by the college's pathologists.

● Recent outbreaks of bacterial meningitis among students on campus provided an opportunity for **Dr. Gerald McLaughlin**, veterinary pathobiology, and his research colleagues at the college to test some of their polymerase chain reaction (PCR) technology for diagnosing and typing pathogens. They hope to be able to determine whether the recent infections were derived from closely-related meningitis strains or from genetically different strains.

Though their typing strategy is as yet unproven and needs to undergo peer review, the initial results are promising. Dr. McLaughlin's lab is one of the only ones in the nation with the technology to perform this type of research.

● The **Minority Apprenticeship Program (MAP)** is in its seventh year

at the college. Between June 23 - Aug. 2, minority high school students from around the state will spend six hours per day assisting participating faculty with a research project.

Companies Signing Up for NAPCC's Animal Product Safety Service

Industries are taking advantage of a program offered by the **National Animal Poison Control Center (NAPCC)** at the UI College of Veterinary Medicine to monitor the safety of their products. Through a financial agreement, participating companies can put their clients in touch with the NAPCC to receive information on the safe use of a product, etc. when questions arise.

The agreement creates good public relations for the companies by helping animal owners prevent losses and also provides funding for the NAPCC to train veterinarians in clinical toxicology.

According to **Dr. Bill Buck**, director of NAPCC, the center hopes to eventually to raise enough funds to be able to do research on cases in its computer data base. Because so many cases are recorded, the available data will point to potential problems that need to be researched.

To date, three major animal product industries have signed up for the program.

Retirement Program Planned for Dr. Harry A. Reynolds, Jr.

After 25 years of service, Dr. Harry A. Reynolds, Jr. will be retiring in August. The college's veterinary pathobiology department has planned a special retirement program.



Scheduled for Saturday evening, September 7, 1991 at Jumer's Castle Lodge in Urbana, Ill., the event will feature a reception, buffet banquet, "roast," and a tentative dance/social for only \$20 per person. Special

room rates are available for out-of-town guests. Tickets or additional information are available from Carla Manuel at 217/333-2449 (FAX 217/333-4628).

In the meantime, please write a letter filled with your memories and/or anecdotes of Dr. Reynolds and send it to the address below for inclusion in a leather-bound volume that will be presented to him. If you have humorous or memorable photos or slides of Dr. Reynolds, send those along, too. We will copy them for inclusion in the volume or program and return them promptly.

We also plan to present Dr. Reynolds with a gift from his students, former students, colleagues, and friends. Cash contributions would be appreciated. Make checks payable to "The Dr. Harry Reynolds Retirement Fund" and send them to the address below.

Dr. Reynolds Retirement Program
c/o Carla Manuel
Dept. of Veterinary Pathobiology
University of Illinois
College of Veterinary Medicine
2001 S. Lincoln Ave.
Urbana, IL 61801



PRINTED ON RECYCLED PAPER